

9/20/01

SPRE Marquis,

6E10

Re: 09/828,246      US 5,892,655

Attached are search results.

No litigation was found in searches of Dialog, Lexis-Nexis, and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,  
Jeff Harrison  
306-5429  
CP4-9C18



3356 51300

**Bates, Darcy**

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**From:** Marquis, Lissi  
**Sent:** Wednesday, September 19, 2001 12:03 PM  
**To:** STIC-EIC2800  
**Subject:** Reissue application number 09828246

Please provide me with a litigation search for U.S. patent number 5892655 for the above listed Reissue application.

Thank you!

*Lissi Mojica Marquis*

**SPRE 2800**

*703-308-2260*

*CP4 -6E10*

*FAX: 703-305-1034*



Source: [All Sources](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#)Terms: patno is 5892655 ([Edit Search](#))

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Pat. No. 5892655, \***5,892,655**◆ GET 1st DRAWING SHEET OF 1

Apr. 6, 1999

Hard disk drive heat sink

**REISSUE:** Reissue Application filed Apr. 6, 2001 (O.G. Jul. 10, 2001) Ex. Gp.: 2835; Re. S.N. 09/828,246**INVENTOR:** Grouell, William L., San Ramon, California**ASSIGNEE-AT-ISSUE:** Sun Microsystems, Inc., Mountain View, California (02)**APPL-NO:** 883,847**FILED:** Jun. 27, 1997**INT-CL:** [6] H05K 7#20**US-CL:** 361#690; 165#80.2; 165#80.3; 174#16.3; 361#704; 361#714; 361#715;**CL:** 361;165;174;**SEARCH-FLD:** 361#687, 690, 692, 704, 709, 710, 711; 174#16.3, 16.1; 165#80.2, 80.3**REF-CITED:****U.S. PATENT DOCUMENTS**

4,414,604	11/1983 *	Matsui et al.	361#385
4,754,101	6/1988 *	Stickney et al.	361#818
5,016,139	5/1991 *	Stopa et al.	361#386
5,204,497	4/1993 *	Herrick	361#687
5,253,133	10/1993 *	Guo	360#97.01
5,311,928	5/1994 *	Marton	165#80.3
5,625,229	4/1997 *	Kojima et al.	361#697

**FOREIGN PATENT DOCUMENTS**

29601645U1	3/1996 *	Federal Republic of Germany
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**PRIM-EXMR:** Picaro, Leo P.**ASST-EXMR:** Chervinsky, Boris L.**LEGAL-REP:** Caplan; Julian  
Flehr Hohbach Test  
Albritton & Herbert LLP



20sep01 11:03:00 User259284 Session D1348.2

File 345:Inpadoc/Fam.& Legal Stat 1968-2001/UD=200135  
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S1 1 PN="US 5892655"  
? t s1/39/1

1/39/1  
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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14849429

Basic Patent (No,Kind,Date): EP 887726 A1 19981230 <No. of Patents: 005>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
DE 69800533	C0	20010329	DE 69800533	A	19980625	
EP 887726	A1	19981230	EP 98305004	A	19980625	(BASIC)
EP 887726	B1	20010221	EP 98305004	A	19980625	
JP 11073755	A2	19990316	JP 98182241	A	19980629	
US 5892655	A	19990406	US 883847	A	19970627	

Priority Data (No,Kind,Date):

US 883847 A 19970627

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 69800533 C0 20010329

HITZESCHILD FUER FESTPLATTENLAUFWERK (German)

Patent Assignee: SUN MICROSYSTEMS INC (US)

Author (Inventor): GROUELL WILLIAM L (US)

Priority (No,Kind,Date): US 883847 A 19970627

Applic (No,Kind,Date): DE 69800533 A 19980625

IPC: \* G06F-001/20; H05K-007/20

Derwent WPI Acc No: \* G 99-048106

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 69800533 P 20010329 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 887726 P 20010329

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 887726 A1 19981230

HARD DISK DRIVE HEAT SHIELD (English; French; German)

Patent Assignee: SUN MICROSYSTEMS INC (US)

Author (Inventor): GROUELL WILLIAM L (US)

Priority (No,Kind,Date): US 883847 A 19970627

Applic (No,Kind,Date): EP 98305004 A 19980625

Designated States: (National) DE; FR; GB; IT; NL; SE

IPC: \* G06F-001/20; H05K-007/20

Derwent WPI Acc No: \* G 99-048106; G 99-048106



Language of Document: English  
 Patent (No,Kind,Date): EP 887726 B1 20010221  
 HARD DISK DRIVE HEAT SHIELD (English; French; German)  
 Patent Assignee: SUN MICROSYSTEMS INC (US)  
 Author (Inventor): GROUELL WILLIAM L (US)  
 Priority (No,Kind,Date): US 883847 A 19970627  
 Applic (No,Kind,Date): EP 98305004 A 19980625  
 Designated States: (National) DE; FR; GB; IT; NL; SE  
 IPC: \* G06F-001/20; H05K-007/20  
 Derwent WPI Acc No: \* G 99-048106  
 Language of Document: English

## EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 887726	P	19970627	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				US 883847 A 19970627
EP 887726	P	19980625	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
				EP 98305004 A 19980625
EP 887726	P	19981230	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
				DE FR GB IT NL SE
EP 887726	P	19981230	EP AX	ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN)
				AL;LT;LV;MK;RO;SI
EP 887726	P	19981230	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 887726	P	19990707	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
				19990510
EP 887726	P	19990908	EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
				DE FR GB IT NL SE
EP 887726	P	20000524	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
				20000410
EP 887726	P	20010221	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
				DE FR GB IT NL SE
EP 887726	P	20010221	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 887726	P	20010329	EP REF	CORRESPONDS TO: (ENTSPRICHT)
				DE 69800533 P 20010329
EP 887726	P	20010406	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)

## JAPAN (JP)

Patent (No,Kind,Date): JP 11073755 A2 19990316



HEAT SINK FOR HARD DISK DRIVE (English)  
Patent Assignee: SUN MICROSYSTEMS INC  
Author (Inventor): GROUELL WILLIAM L  
Priority (No,Kind,Date): US 883847 A 19970627  
Applic (No,Kind,Date): JP 98182241 A 19980629  
IPC: \* G11B-025/04; G11B-033/14  
Derwent WPI Acc No: \* G 99-048106  
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5892655 A 19990406  
HARD DISK DRIVE HEAT SINK (English)  
Patent Assignee: SUN MICROSYSTEMS INC (US)  
Author (Inventor): GROUELL WILLIAM L (US)  
Priority (No,Kind,Date): US 883847 A 19970627  
Applic (No,Kind,Date): US 883847 A 19970627  
National Class: \* 361690000; 361704000; 361714000; 361715000;  
174016300; 165080300; 165080200  
IPC: \* H05K-007/20  
Derwent WPI Acc No: \* G 99-048106  
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):  
US 5892655 P 19970627 US AE APPLICATION DATA (PATENT)  
(APPL. DATA (PATENT))  
US 883847 A 19970627  
US 5892655 P 19971208 US AS02 ASSIGNMENT OF ASSIGNOR'S  
INTEREST  
SUN MICROSYSTEMS, INC. 901 SAN ANTONIO ROAD,  
PALO1-521 PALO ALTO, CALIFORNIA 943 ;  
GROUELL, WILLIAM L. : 19971201  
US 5892655 P 19990406 US A PATENT  
US 5892655 P 20010710 US RF REISSUE APPLICATION FILED  
(REISSUE APPL. FILED)  
20010406

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Search statement 1

?nbr /pn us5892655

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3	2	US5892325
4	1	US5892509
5	1	US5892554
6	2	US5892825
7	1	US5892876
8	1	US5892914

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Term not in index/PN : 5892655  
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Search statement 2

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1/1 PAST - (C) PAST  
AN - 200128-001164  
PN - 5892655 A [US5892655]  
DT - A (UTILITY)  
OG - 2001-07-10  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED



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?/pn 5892655

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Search statement 2

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1/1 LGST - (C) LEGSTAT  
PN - US 5892655 [US5892655]  
AP - US 883847/97 19970627 [1997US-0883847]  
DT - US-P  
ACT - 19970627 US/AE-A  
APPLICATION DATA (PATENT)  
{US 883847/97 19970627 [1997US-0883847]}  
- 19971208 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
SUN MICROSYSTEMS, INC. 901 SAN ANTONIO ROAD, PALO1-521 PALO ALTO,  
CALIFORNIA 943 \* GROUELL, WILLIAM L. : 19971201  
- 19990406 US/A  
PATENT  
- 20010710 US/RF  
REISSUE APPLICATION FILED  
20010406  
UP - 2001-29



Selected file: CRXX

CRXX (CLAIMS Current Legal Status)

Legal Status actions current thru September 11, 2001 (2001-37/UP)

Reassignment data current as of August 5, 2001.

For info on technical content on this file, enter: INFO CRXX

Search statement 1

?/pn 5892655

\*\* SS 1: Results 1

Search statement 2

?prt fu

1/1 CRXX - (C) CLAIMS/RRX

AN - 3134668

PN - 5,892,655 A 19990406 [US5892655]

PT - E (Electrical)

PA - Sun Microsystems Inc

ACT - 20010406 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20010710

REISSUE REQUEST NUMBER: 09/828246

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2835

Reissue Patent Number:

UP - 2001-28

UACT- 2001-07-10



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